

Assignment 3

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MainActivty.kt

```
package com.example.loginpage

import
android.content.ActivityNotFoundException
import android.content.Intent import
android.net.Uri
import
android.net.UrlQuerySanitizer
import android.os.Bundle import
android.widget.Toast
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.layout.*
import
androidx.compose.foundation.text.KeyboardActions
import
androidx.compose.foundation.text.KeyboardOptions
import androidx.compose.material3.* import
androidx.compose.runtime.* import
androidx.compose.ui.Alignment import
androidx.compose.ui.Modifier import
import androidx.compose.ui.graphics.Color import
import androidx.compose.ui.platform.LocalContext import
import androidx.compose.ui.res.painterResource import
import androidx.compose.ui.text.input.ImeAction import
import androidx.compose.ui.text.input.KeyboardType import
import androidx.compose.ui.unit.dp
import
com.example.loginpage.ui.theme.LoginPageTheme
import androidx.compose.material3.MaterialTheme
import androidx.compose.ui.text.TextStyle import
import androidx.compose.ui.text.font.FontWeight import
import androidx.compose.ui.tooling.preview.Preview import
import androidx.compose.ui.unit.sp import java.net.URL

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?)
    {
        super.onCreate(savedInstanceState)
        setContent {
            LoginPageTheme {
                // A surface container using the 'background' color from
the theme
                Surface(
                    modifier = Modifier.fillMaxSize(),
                    color = MaterialTheme.colorScheme.background
                ) {
                    LoginScreen()
                }
            }
        }
    }
}
```

```
@OptIn(ExperimentalMaterial3Api::class)
@Composable fun
LoginScreen() {
```

```

        var username by remember { mutableStateOf(value = "") }
        var password by remember { mutableStateOf(value = "") }
        val context = LocalContext.current
        Column(
            modifier = Modifier
                .fillMaxSize()
                .padding(16.dp),
            verticalArrangement = Arrangement.Center,
            horizontalAlignment = Alignment.CenterHorizontally
        ) {
            Image(
                painter = painterResource(id =
                    R.drawable.login1), contentDescription = "Login
                    Image", modifier = Modifier
                        .size(150.dp)
                        .padding(16.dp)
            )

            Text(
                text = "Login",
                style = TextStyle(
                    fontSize = 42.sp, // Adjust the font size as
                    needed           fontWeight = FontWeight.Bold,
                    color = Color(0xFF476810)
                )
            )

            OutlinedTextField(
                value = username,
                onChange = { username = it },
                label = { Text(text = "Username") },
                modifier = Modifier.fillMaxWidth()
            )

            Spacer(modifier = Modifier.height(16.dp))

            OutlinedTextField(
                value = password,
                onChange = { password = it },
                label = { Text(text = "Password") },
                keyboardOptions = KeyboardOptions(
                    keyboardType = KeyboardType.Password,
                    imeAction = ImeAction.Done
                ),
                keyboardActions = KeyboardActions(
                    onDone = {
                        // Handle login here
                    }
                ),
                modifier = Modifier.fillMaxWidth()
            )

            Spacer(modifier = Modifier.height(16.dp))
            // Login button
            Button(
                onClick = {

                    val url = "https://www.google.com"
                    val intent = Intent(Intent.ACTION_VIEW, Uri.parse(url))

                    try {
                        context.startActivity(intent)
                    }
                }
            )
        }
    }
}

```

```
    } catch (e: ActivityNotFoundException) {  
    }
```



```

        },
        modifier = Modifier.fillMaxWidth()
    ) {
        Text(text = "Open Google")
    }
Button(
    onClick = {

        val url = "https://www.amazon.com"
        val intent = Intent(Intent.ACTION_VIEW, Uri.parse(url))

        try {
            context.startActivity(intent)
        } catch (e: ActivityNotFoundException) {
        }

    },
    modifier = Modifier.fillMaxWidth()
) {
    Text(text = "Open Amazon")
}
Button(
    onClick = {

        val url = "https://www.snapchat.com"
        val intent = Intent(Intent.ACTION_VIEW, Uri.parse(url))

        try {
            context.startActivity(intent)
        } catch (e: ActivityNotFoundException) {
        }

    },
    modifier = Modifier.fillMaxWidth()
) {
    Text(text = "Open Snapchat")
}
Button(
    onClick = {

        val url = "https://www.twitter.com"
        val intent = Intent(Intent.ACTION_VIEW, Uri.parse(url))

        try {
            context.startActivity(intent)
        } catch (e: ActivityNotFoundException) {
        }

    },
    modifier = Modifier.fillMaxWidth()
) {
    Text(text = "Open X")
}
}

@Preview(showBackground = true)

```

```
@Composable
fun PreviewLoginScreen() {
    LoginPageTheme {
        LoginScreen()
    }
}
```

```
}
}
```

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.INTERNET"/>
    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.LoginPage"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true"
            android:label="@string/app_name"
            android:theme="@style/Theme.LoginPage">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER"
            />
            </intent-filter>
        </activity>
    </application>
</manifest>
```





